Attorney Docket No. 5000.113A **Confirmation No. 1789**

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: David B. Slater, Jr. Serial No. 10/003,331

Group Art Unit: 2818

Examiner: David Vu

Filed: October 31, 2001

LOW TEMPERATURE FORMATION OF BACKSIDE

OHMIC CONTACTS FOR VERTICAL DEVICES January 20, 2004

Commissioner for Patents Alexandria, VA 22313-1450

RECEIVED

JAN 2 1 2004

INFORMATION DISCLOSURE STATEMENT OFFICE OF PETITIONS **CITATION UNDER 37 C.F.R. 1.97**

Sir:

In conjunction with a Request for Continued Examination (RCE), Applicants are providing a list of documents on Form PTO/SB/08A. Applicants request that the Examiner consider the documents cited therein and officially make them of record in accordance with the provisions of 37 C.F.R. § 1.97 and MPEP § 609.

Each item of information contained in this Information Disclosure Statement was recently cited by a foreign Patent Office in a communication regarding a foreign application, namely the International Search Report for International Application Number PCT/US02/32507, that claims priority from the above-referenced U.S. Application Serial No. 10/003,331 (and its parent U.S. Application Serial No. 09/787,189). More specifically, on December 4, 2003, Applicants received the International Search Report for International Application Number PCT/US02/32507, and we enclose a copy of the same. Please note that we previously cited the two articles written by D. Alok et al. and J.S. Chen et al. in our initial Information Disclosure Statement filed on February 11, 2002, so we are not resubmitting these two documents.

Applicants are submitting a copy of the referenced International Search Report and all documents cited in this Information Disclosure Statement to the U.S. Patent and Trademark Office in related Application No. 09/787,189, filed March 15, 2001. Because this earlier

In re: David B. Slater, Jr. Ser. No. 10/003,331 Filed: October 31, 2001

Page 2

application is being relied on for an earlier effective filing date under 35 U.S.C. § 120, no copies need to be provided in accordance with 37 C.F.R. § 1.98(d). Applicants will provide copies upon request.

Respectfully submitted,

Philip Summa Reg. No. 31,573

021176

Summa & Allan, P.A.

11610 North Community House Road, Suite 200

Ballantyne Corporate Park

Charlotte, North Carolina 28277-2162

Telephone: 704-945-6700 Facsimile: 704-945-6735

\\Server\F\FIRM DOCS\5000\113A\IDS 012004.doc

PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 06S1-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Complete if Known Substitute for form 1449A/PTO Application Number 10/003,331 Filing Date INFORMATION DISCLOSURE October 31, 2001 First Named Inventor STATEMENT BY APPLICANT David B. Slater, Jr. Art Unit 2818 **Examiner Name** David Vu (Use as many sheets as necessary) Attorney Docket Number | 5000.113A

Examiner	Cite	Document Number	U. S. PATENT Publication Date	Name of Patentee or	Pages, Columns, Lines, Where
Initials*	No.1	Number-Kind Code ^{2 (d known)}	MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear
	1	^{US-} 5,124,779	06-23-1992	Furukawa et al.	
		US-			
		US-			
		US-			
***************************************		US-			
***************************************		US-		PECEIVE	(T)
***************************************		US-		3 0 to 6 7 to 6 7 to	, <u> </u>
······································		US-		JAN 2 1 200	14
***************************************		US-	*	VAIL & L-K	4.1
***************************************	·····	US-		OFFICE OF PETI	TDAS
		US-			19119
······································		US-			
		US-			
		US-			
	,	US-			3242-1-1-1/44-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-
		US-			
		US-			
***************************************		US-			

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)	MM-DD-YYYY			'
	2	PCT WO 00/16382 A1	03-23-2000	Cree Research, Inc.		
	3	EP 0 789 388 A2	08-13-1997	Agency Ind Sci Techn		
	***************************************				***************************************	
***************************************	1					Т

Examiner	Date	
Signature	Considered	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patient Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patient documents, the indication of the year of the reign of the Emperor must precede the serial number of the patient document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/08b (08-03)

Approved for use through 06/30/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO Complete if Known Application Number 10/003,331 INFORMATION DISCLOSURE Filing Date October 31, 2001 STATEMENT BY APPLICANT First Named Inventor David B: Slater, Jr. Art Unit 2818 (Use as many sheets as necessary) Examiner Name David Vu Sheet Attomey Docket Number 2 2 5000.113A

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. ¹				
	4	A. MOKI et al.; "Low Resistivity As-Deposited Ohmic Contacts to 3C-SiC"; Journal of Electronic Materials; 1995; pages 315-318; Vol. 24, No. 4			
	5	T. TADAO et al,; "Lowering the Annealing Temperature of Ni/SiC for Ohmic Contacts under N(2) Gas, and Application to a UV Sensor"; Materials Science Forum; pgs 989-992; Vols. 338-342 (2000)			
******************************	***********	PECEIVED			
•••••	***************************************	JAN 2 1 2004	•••••		
		OFFICE OF PETMONS			

••••••	•		•••••		
•••••••			••••		
	••••••		*****		
Evaminer		Date	$\overline{\ \ }$		

·		
Examiner	Date	
Signature	Considered	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.